

This listing of claims replaces all prior versions, and listings of claims in the application:

### **LISTING OF THE CLAIMS**

1. (Currently Amended) A magazine-based data cartridge library comprising: a frame; a shelf system, operatively attached to said frame, for supporting at least two data cartridge magazines and comprising at least one shelf; a drive that is operatively attached to said frame; a cartridge transport device, operatively attached to said frame, for moving a data cartridge between a data cartridge magazine and said drive; a magazine transport device, operatively attached to said frame, for moving a data cartridge magazine; and an operator alterable space capable of accommodating at least a shelf module or a drive module interchangeably located within a space defined by said frame, said shelf module capable of supporting at least a third data cartridge magazine and said drive module capable of comprising at least a second drive; wherein said operator alterable space comprises a library mounting structure for receiving a-one of said modules, a first side that is exposed to said cartridge transport device and a second side that allows an operator to attach a-one of said modules to said mounting structure.
2. (Currently Amended) A-The magazine-based data cartridge library, as claimed in of claim 1 wherein said shelf module, further comprising comprises: a magazine bay assembly module comprising: a housing that defines an interior space for that is capable of accommodating at least said third data cartridge magazine and an opening for receiving a-said third data cartridge magazine; said housing structure comprising a magazine bay shelf module mounting structure for interfacing with said library mounting structure such that when said magazine bay assembly shelf module is mounted within said space defined by said frame, said opening is exposed to at least one of said magazine transport device and said cartridge transport device said first side that is exposed to said cartridge transport device and magazine transport device.
3. (Currently Amended) A-The magazine-based data cartridge library, as claimed in of

claim 2; wherein: said magazine bay assembly shelf module comprising a bay guide that is located within said housing and capable of cooperating with a magazine guide for orienting a at least said third data cartridge magazine within said housing.

4. (Currently Amended) A-The magazine-based data cartridge library, as claimed in of claim 2; wherein: said magazine bay assembly shelf module comprising a plurality of bays; wherein each of said plurality of bays is each capable of accommodating a one of said data cartridge magazines.

5-9 (Withdrawn)

10. (New) A magazine-based data cartridge library comprising:

a shelf system adapted to support at least a first and second data cartridge magazine;  
at least a first drive adapted to read and write data on a data cartridge;  
a robotic magazine transport capable of transporting one of said magazines from said shelf system in position for a cartridge transport to move at least one data cartridge from said data cartridge magazine to a cooperating relationship with said first drive;  
an operator alterable space defined by a frame adapted to accommodate one of a plurality of interchangeable modules including a shelf module and a drive module wherein said shelf module is adapted to accommodate at least a third data cartridge magazine and said drive module is adapted to accommodate at least a second drive;  
said shelf module capable of replacing said drive module through an opening in said frame.

11. (New) The magazine-based data cartridge library of claim 10 further comprising a second operator alterable space.

12. (New) The magazine-based data cartridge library of claim 10 wherein said opening accessible from an exterior location of said library.

13. (New) The magazine-based data cartridge library of claim 10 wherein said operator

alterable space comprises a mounting structure adapted to fixedly mount one of said modules.

14. (New) The magazine-based data cartridge library of claim 10 wherein said robotic magazine transport and said cartridge transport are combined in one transport unit.
15. (New) The magazine-based data cartridge library of claim 10 wherein said robotic magazine transport and said cartridge transport are interposed in a transport space between said shelf system and said operator definable space.
16. (New) The magazine-based data cartridge library of claim 10 wherein said drive module comprises a plurality of drive bays adapted to receive at least said second drive.
17. (New) The magazine-based data cartridge library of claim 16 wherein said drive bays are adapted to receive at least said second drive through a drive bay opening accessible from an exterior location of said library.
18. (New) The magazine-based data cartridge library of claim 10 wherein said shelf module is adapted to receive said third data cartridge magazine through a magazine opening facing said transport space.
19. (New) A method for using an operator alterable space in magazine-based data cartridge library wherein said library comprising a shelf system adapted to support at least a first and second data cartridge magazine; a first drive adapted to read and write data on a data cartridge; a robotic magazine transport capable of transporting one of said magazines from said shelf system in position for a cartridge transport to move at least one data cartridge from said data cartridge magazine to a cooperating relationship with said first drive, said method comprising:  
inserting a drive module into said operator alterable space through an accommodating opening from an exterior location of said library wherein said drive module is capable of comprising a plurality of drives; and

providing power to said drive module through power means provided by said library;  
attaching said drive module fixedly to a mounting structure.

20. (New) The method of claim 19 further comprising positioning said cartridge transport to a drive opening of said drive and loading said tape cassette into said drive wherein said drive opening is through a drive opening plane opposite an operator space opening plane defined by said accommodating opening of said operator alterable space.

21. (New) The method of claim 19 further comprising:  
detaching said drive module from said mounting structure;  
disengaging said power from said power means provided to said drive module;  
removing said drive module from said library through said accommodating opening.

22. (New) The method of claim 21 further comprising:  
inserting a shelf module capable accommodating at least a third magazine through said accommodating opening and attaching said shelf module fixedly to a mounting structure.

23. (New) The method of claim 22 further comprising positioning said magazine transport to a shelf opening of said shelf module defined by a shelf opening plane opposite an operator space opening plane defined by said accommodating opening of said operator alterable space and displacing said magazine from said shelf to said magazine transport.

24. (New) The method of claim 23 wherein said magazine is moved robotically by said magazine transport to a shelf of said library shelf system.

25. (New) The method of claim 24 wherein said magazine transport is adapted to move said magazine in a magazine transport space interposed between said shelf system and said shelf module.